

PROJECT:

2511 VIDEO AMPLIFIER

DATE

18 NOV 55

SENSITIVITY

PRF ↓ P.F.S.	PULSE WIDTH MICROSECONDS				
	.1	.5	1.0	5.0	10.0
30	33.5				
60	33.9	33.9	- 35.5	- 38.0	- 39.5
100	33.9	33.9	- 35.5	- 38.0	- 40.9
200	35.0	34.0	- 36	- 39.0	- 40.5
500	35.5	35.5	- 37.5	- 41.0	- 42.6
1K	36.0	36.5	- 38	- 42.0	- 43.0
2K	3	37.0	- 38.9	- 43.0	- 44.0
5K	36.5	37.5	- 40	- 44.0	- 45.0
10K	37+	37.9	- 40.5	- 45.0	- 46.0
20K	37.5	38.8	- 40.5	- 45.5	- 46.5
50K	38	38.9	- 42.0	- 45.5	- 47.5
100K	40	41.0	- 44.0	- 46.5	- 48.5
	40	40.5	- 45.0	- 46.5	- 48.5

MINIMUM DETECTABLE OUTPUT ABOVE NOISE FROM
VIDEO AMPLIFIER AS OBSERVED ON SCOPE AND
RECORDED AS READ DIRECT FROM H/P 618B

GE PULSER PROVIDED VARIOUS PULSE WIDTHS
AND PRF'S TO MODULATE H/P 618 B SIG. GEN..
HP 618 B ADJUSTED FOR 0 DBM

WORK DONE:

JFS

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22 NOV 55

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2511 Video Amplifier

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21 NOV 55

MEASUREMENTS:

POWER REQUIREMENTS;

CURRENT DRAIN 1.7 MA

VOLTAGE 5.2 VOLTS

BATTERY IS 5.2V MALLORY TRIAR BATTERY
PACK.

BATTERY LIFE ESTIMATED 100 HRS.

INPUT CABLES = IPC RECEPTACLE #46025
(WILL RECEIVE IPC #46215
CABLE PLUG) (MINIATURE COAX
CONNECTOR)OUTPUT JACK - TELEX TYPE TO BE USED
IN CONJUNCTION WITH
TELEX CONNECTING PLUG.SIZE OF CURRENT MODEL = $4\frac{5}{8}" \times 1\frac{1}{2}" \times \frac{7}{8}"$

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General Information -

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a brief resume of the data collected on the video amplifier was given to [redacted]. This data included sensitivity measurements, power requirements, operating instructions, and information concerning the prospective changes in the final model in regard to size and of an accessible battery compartment to be devised.

The unit itself was given to [redacted] 22 NOV 55 for shipment to SP.D.

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JPS

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22 NOV 55